



# Nonpoint Source Program Request for Proposals July 14, 2021

**To be used in applying for funding for projects  
implementing approved watershed management plans.**

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EGLE Environmental Assistance Center 800-662-9278

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# NONPOINT SOURCE (NPS) PROGRAM GRANTS

## Introduction

Michigan's NPS Program assists state, federal, and local partners to restore water bodies impaired by NPS pollution and protect high quality waters from impairments caused by NPS pollution. The basis of our program is watershed management; therefore, we are requesting proposals that will implement the priority NPS recommendations in critical areas defined in approved watershed management plans.

## Planning Activities

General updates of existing watershed management plans and the development of new watershed management plans are not eligible activities under this Request for Proposals (RFP). However, in very limited cases, a task for technical revisions of an existing eligible watershed management plan can be added to an implementation project. Technical revisions are typically focused on incorporating new information into a recently completed watershed management plan for a specific pollutant, cause, or source and adjusting the associated priorities and recommendations. For example, technical revisions might include:

- Updates to watershed modeling to account for changes in land use.
- Incorporating the NPS load allocation from approved Total Maximum Daily Loads (TMDL) or a Landscape Level Wetlands Functional Assessment (See [Appendix A](#)).
- Monitoring (environmental or social) or inventories to fill data gaps.

Projects including a technical update task are encouraged to complete the technical update prior to beginning the implementation phase of their project so that any new insights can be incorporated into the project activities.

The NPS Program will continue to review and approve watershed management plans as meeting state and federal criteria (See [Appendix B](#)). It is strongly encouraged that NPS staff are contacted for involvement early in all planning projects that will seek approval from the NPS Program regardless of the project funding source.

The activities required for the development of engineered site plans and pre dam removal planning are also eligible under this RFP. However, proposals including site planning and pre dam removal planning must include an implementation element. Eligible planning type activities might include site assessment, modeling, and design work.

## Funding

### *Sources and Availability*

This RFP contains information concerning both federal and state funding sources. Federal funds are authorized under the federal Clean Water Act and state funds are from the Clean Michigan Initiative (CMI). A total of up to \$4.3 million may be available. This includes up to \$2.3 million in federal funds and approximately \$2 million in state funds. Funds should be available for selected projects in mid-2022. Grant awards are contingent upon the sale of CMI general obligation bonds to support these projects and the enactment of sufficient funding in the fiscal year (FY) 2022 federal and state budgets to support this grant program as well as any other necessary approvals.

### *Minimum and Maximum Funding Amounts*

The minimum request is \$25,000 in grant funds. While there is no maximum request, the NPS Program encourages comprehensive implementation projects that will result in restoration of impaired waters or the long-term protection of high-quality waters.

### *Required Match*

The minimum required local match is 25 percent of the project total which is equivalent to one third of the grant request. Local match may include cash and/or in-kind services from non-federal sources.

## **Eligibility**

### *Eligible Applicants*

Units of government (state agencies, counties, cities, townships, and villages), regional planning agencies, conservation districts, public and private colleges and universities, and incorporated nonprofit organizations who are exempt from taxation under Section 501(c)(3) of the Internal Revenue Code. In addition, all applicants must:

- Supply proof of a successful financial audit for a period ending within the 24 months immediately preceding the Notice of Intent (NOI) due date as demonstrated by an *Independent Auditor's Report* signed by a Certified Public Accountant from a Comprehensive Annual Report. The audit must be of the applicant organization – **No fiduciary arrangements will be accepted.** The applicant organization should, at a minimum include enough staff time to adequately administer the project including attendance at project meetings, and the review and submittal of project products and reporting. **Note:** The audit date is based on the audit period and not the date of the audit or the audit letter. To be eligible under this RFP the end date of the audited period must be after August 11, 2019.
- Be in good standing with Michigan Department of Environment, Great Lakes, and Energy (EGLE) programs. Within the 24 months immediately preceding the NOI due date:
  - No EGLE grant terminated for cause.
  - No demonstrated inability to sign a contract in a timely fashion, manage a grant, or meet the obligations in a project contract with EGLE.
- Not appear on the federal Debarment and Suspension List. The list can be searched through the federal [System for Award and Management](#).
- Successful applicants and all contractors will be required to certify they are not an Iran-based business and contractors must also certify they are not an Iran-linked business as defined in [MCL 129.312](#).

### *Ineligible Applicants*

Federal agencies, individuals and groups without nonprofit status under Section 501(c)(3) of the Internal Revenue Code, Inter-County Drainage Boards, and entities without proof of a successful audit within the 24 months preceding the application due date. However, these entities can serve as project partners or receive grant funds as subcontractors to eligible grantees.

### *Eligible Activities*

In general, implementing water quality-based priority recommendations in approved watershed management plans including physical, vegetative, and managerial best management practices (BMP) and information and outreach activities are eligible. Activities must directly address the NPS pollutants, causes, and sources identified as priorities in the watershed management plan. In addition, the pollutants, causes, and sources must also be addressed in [Michigan's NPS Program Plan](#).

Permits: Some eligible activities may require permits from EGLE. [Appendix C](#) of this RFP contains additional information concerning the types of activities that may require a permit and the information needed by EGLE to help make this determination. Application for a grant does not constitute a permit application, nor does a grant award signify EGLE approval for an activity requiring a permit.

### *Ineligible Activities*

The following types of activities will not be considered for funding:

- Activities that are required or will be required under a permit, required in a court or enforcement order, or required by law.
- Maintenance practices (repair or replacement of existing infrastructure). However, the additional cost of upgrades to existing structures for water quality improvement is eligible (for example, replacing an existing culvert with a free span bridge, or repaving using pervious pavement).
- Land acquisition (land purchase in fee simple).
- Construction or operation of septage facilities, sanitary sewer, or traditional storm sewer collection systems (this includes installing catch basin inserts and other practices between the inlet and outlet of an existing storm water collection system).
- Purchasing capacity at an existing wastewater treatment plant.
- Point source-related projects.
- Addressing the symptom but not the source of NPS pollution (including, but not limited to lake aeration, weed harvesting, alum treatments, dredging, sand traps and other in stream treatments).
- Addressing issues not included in Michigan's NPS Program Plan (e.g., atmospheric inputs or contaminated sediments).
- Development of, or other work related to, wetland mitigation banks.
- Projects that negatively impact any water resource.
- Development or general updates of watershed management plans.

### *Eligible Watersheds*

- Watersheds covered by a watershed management plan approved by EGLE as meeting CMI criteria and the United States Environmental Protection Agency's (USEPA) "Nine Minimum Elements of Watershed Management Planning" on or before July 14, 2021. The list of currently [approved and pending watershed plans](#) is available on the NPS Program Web site.

### **Federal Uniform Guidance**

The [Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards](#) (Title 2 of the Code of Federal Regulations, Parts 200 and 1500) will apply to all new awards.

## **General Requirements for All Proposals**

- Project timelines cannot exceed three (3) years.
- The USEPA's policy, "Timely Obligation, Award and Expenditure of USEPA Grant Funds" requires the expedient obligation of federal grants. Therefore, applicants must be able to enter into a grant contract with EGLE within 90 days of a grant award. EGLE retains the right to withdraw funding if a contract has not been signed within 90 days.
- Projects must implement specific high priority recommendations in a watershed management plan approved by EGLE as meeting both state and federal criteria (See Appendix B) and include in the Project Description Section A (see [Instructions](#)) reference(s) to the specific recommendations proposed for implementation.
- Applicants must include in the Project Description (Section A) an explanation of how the proposed work fits into the overall watershed management plan implementation strategy and priorities.
- Proposals must include the targeted load reduction from the watershed management plan and the projected pollutant load reduction of the project in the Project Description (Sections B and F) for each targeted pollutant.
- Projects must include, as a separate attachment (one page maximum) or as part of the Project Description (Section A), a statement on the status of the implementation of the watershed management plan. The statement should summarize past and ongoing actions and discuss progress in terms of the priorities of the watershed management plan.

## **Guidance for Proposals within the Coastal Nonpoint Boundary**

The Coastal Nonpoint Pollution Control Program, established by Section 6217 of the federal Coastal Zone Act Reauthorization Amendments (CZARA), addresses nonpoint source pollution problems in coastal waters. Section 6217 requires states and territories with approved Coastal Zone Management Programs to develop Coastal Nonpoint Pollution Control Programs. As a condition of Michigan's Coastal Nonpoint Pollution Control Program, EGLE has agreed to prioritize specific activities within Michigan's Coastal Nonpoint Boundary as well as requiring some additional elements in EGLE funded new or updated watershed management plans within the boundary. Applicants should refer to [Appendix D](#) to determine if this new guidance applies to their proposal.

## **Project Specific Proposal Requirements**

### *Signage Requirements*

- Signage is required at all construction sites easily viewable by the general public.
- Construction site and informational signage installed as an outreach component must follow the [NPS Program Acknowledgement Guidance](#).

### *Announcements and Public or Media Events*

- Announcements through the Web or print materials for workshops, conferences, demonstration days, or other events as part of a project must follow the NPS Program Acknowledgement Guidance.
- The EGLE Project Administrator must be notified at least 15 working days prior to any public or media events publicizing significant events related to the project to

provide the opportunity for attendance and participation by state and federal representatives.

### *Invasive Species Control*

All projects selected for funding will be required to take steps to minimize the risk of spreading terrestrial and aquatic invasive species. Selection of project-appropriate measures should be dependent on the type of work being conducted and the specific situation. Additional information can be found in [Appendix E](#), Section XXVII.

### *Implementing Physical BMPs*

- Proposals to implement physical BMPs with NPS program funds or used as match *must* include specific locations and BMP information utilizing a BMP form and site plans (See exceptions for On-Site Wastewater Treatment System proposals; certain agricultural practices; and some outreach and education proposals – for these exceptions, BMP locations must be reported prior to grant close out).
- Applicants must submit site plans for any vegetative or structural practices, including any earth change activities, physical modifications of the stream channel, or practices that modify hydrology. Site plans are a depiction of each project area showing all existing water bodies (including designated flood plains and wetlands), structures, and on-site conditions as well as the proposed treatment. For the proposal, conceptual site plans will suffice. However, prior to implementing a BMP, engineered site plans prepared by a licensed professional engineer, licensed landscape architect, or other professional working under a licensed engineer's authority, must be submitted to and approved by an NPS Program engineer when the BMP will be installed with NPS funds or used as match.
- Applicants must include a task to obtain all federal, state, and local permits that may be needed to complete the work plan. Include a list of permits that will be obtained prior to BMP implementation as part of the task (an [Environmental Permit Information checklist](#) is available from EGLE).
- Projects that will affect stream flow, including any potential upstream and downstream impacts from BMP implementation, must include a hydrologic analysis (see [Appendix F](#)).
- EGLE reserves the right to work with applicants to select new sites or BMPs, or cancel a grant award in whole, or in part, if prior to implementation, EGLE determines that the proposed sites or BMPs are not viable or will not meet the proposal outcomes or program priorities.
- Proposals that implement physical BMPs to address active/known localized sources of NPS pollution in high quality waters must describe the basis for selecting the site(s) in terms of measurable water quality improvements. Priority will be given to those proposals utilizing up-stream/downstream monitoring or assessment as justification.
- Proposals that will utilize NPS funds for technical and staff support and implement BMPs using other sources of funding (Farm Bill for example) will not have to provide specific locations and BMPs at the proposal stage. Rather, such proposals must include a description of the methodology that will be used to target the pollutants/causes/sources and critical areas of the applicable



watershed management plan. Applicants should be aware that if selected for funding:

- BMPs must be designed and installed according to recognized standards (The Natural Resources Conservation Service Field Office Technical Guide, EGLE Nonpoint Source Best Management Practices Manual, or Statewide Low Impact Development (LID) manual for example).
- Structural or physical BMPs installed with non-federal funds and used as match for the project require EGLE engineering review and approval.
- Projects will be required to report on the location, costs, and load reductions for each installed BMP.

### *Land Protection Projects*

Land protection projects prevent NPS pollution due to land use changes that may impact water quality. Past land protection projects have included actions such as local ordinance development and permanent conservation easements.

- Projects must be primarily based on preventing future water quality impacts from NPS but may also consider secondary factors such as endangered species.
- Applicants must provide reporting measures directly related to the watershed management plan goals and water quality conditions addressed by the proposal. For example, a proposal intended to address phosphorus and sediment impacts to designated uses must project phosphorus and sediment loads that will be avoided by the proposal.
- Proposed conservation easements must be selected based on potential water quality benefits and must permanently protect the proposed area.
- NPS Program staff will inspect all proposed easement sites prior to signing a grant contract.
- Proposals including conservation easements that will be paid for or used to match NPS Program funds must provide maps and aerial images showing each parcel of interest overlain with a proposed easement boundary.

### *Infiltration Practices*

Infiltration of storm water runoff is necessary to provide stable and healthy lakes and streams and is strongly encouraged by EGLE. However, sufficient site characterization is needed to assure these practices will function properly and not cause unintended environmental problems by impacting existing or creating new areas of soil and groundwater contamination. For additional information about the following requirements for infiltration practices please contact Dale Ehinger, Nonpoint Source Unit, Surface Water Assessment Section (SWAS), Water Resources Division (WRD) at 269-716-8305 or [EhingerD@Michigan.gov](mailto:EhingerD@Michigan.gov).

Projects including infiltration BMPs must include as part of the application:

- Note any known on-site conditions that would impede infiltration.
- Conduct a background check of the BMP location(s) to determine the potential for leaking underground storage tanks, past or present contamination that is not registered as a known contaminated site, or other soil/groundwater concerns in the area (such as: drinking water wells, roads, and structures). For guidance see the Due Diligence section of the Part 201 Citizens Guide, [Baseline Environmental Assessments \(BEA\)](#).

- Provide a soil boring log, or equivalent method of soil characterization for each location.
  - Each boring must be to a depth of an impermeable layer (including bedrock), water table, or a minimum of four feet below each proposed practice.
  - Using the Unified Soil Classification System or equivalent, note grain size distribution percentages, moisture, color, odors, and staining for each infiltration BMP location.
- Provide an estimate of the contributing area for each BMP and indicate this area on the site plan.

#### Infiltration Practice Design:

- Subsurface findings must be incorporated into the site plans.
- It must be demonstrated that infiltration practices will not exacerbate known sources of groundwater or soil contamination.
- Infiltration practices should have four feet or more of appropriate soils between the bottom of the practice and an impermeable layer or the water table.

Where known sources of contamination exist as defined by Part 201, Environmental Remediation; or Part 213, Leaking Underground Storage Tanks, of the Natural Resources and Environmental Protection Act 1994 PA 451, as amended, additional design features may be necessary to prevent exacerbating on-site contamination. Applicants proposing infiltration practices near areas of contamination will be asked to show that the practice does not increase the magnitude or extent of the contamination.

#### Rain gardens

The NPS Program recommends the use of mature plants over the use of plugs and discourages the use of seeds to establish the rain garden plantings.

#### *Dams and Dam Removal*

- Eligible Activities:
  - Stream channel restoration or stabilization practices following, or performed in conjunction with, dam removal.

The following activities are also eligible when the full proposal includes an implementation element.

  - Pre-removal engineering designs for dam deconstruction and stream restoration.
  - Analysis of reservoir sediment samples for contaminants, as necessary to generate the removal design.
  - Pre- and post-removal monitoring, especially to assess sediment and hydrologic impacts or biological changes.
- Ineligible Activities:
  - Deconstruction of existing dam structures.
  - Stabilization or removal of contaminated sediments.
- Additional information on Dams and Dam Removal is available on the Michigan Department of Natural Resources (MDNR) [Dam Management Web site](#).

#### *Projects within Phase II Storm Water Areas*

Activities that are above and beyond permit requirements are eligible for funding. However, the proposal must clearly identify permit requirements and the activities for



which grant funding is being requested, or which will be used as match. Additional information on Phase II requirements and a list of Michigan's Phase II (Municipal Separate Storm Sewer System [MS4]) storm water communities can be found on the [Storm Water Program Web site](#). Applicants invited to submit full proposals will be required to assert that projects in MS4 communities meet the criteria described in the USEPA's supplemental guidance: "Watersheds In and Near Metropolitan Areas – Preventing, Reducing, and/or Eliminating Impacts Associated with Urban Runoff." ([Appendix G](#)). Examples and further discussion of storm water BMP eligibility can be found in [Appendix G.1](#).

#### *On-Site Wastewater Treatment Systems*

It is a long-term goal of the NPS Program to protect and restore waters of the state through control of discharges from inadequately functioning on-site wastewater treatment systems. Proposals targeting these efforts through the implementation of watershed management plans may be eligible for funding. Specific guidance for the use of NPS grants for addressing on-site wastewater treatment systems can be found in [Appendix H](#).

Due to human health concerns, the NPS Program will allow an exception to the requirements regarding identification of specific locations, BMPs, and site plans for proposals to identify and correct failed or failing on-site wastewater treatment systems under the following conditions:

- The proposal meets all of the requirements in [Appendix H](#).
- The proposal will include a methodology for addressing systems ineligible for (i.e., cheater pipes), or in excess of, NPS funding.

#### *Agricultural Practices*

Specific locations for the following practices are not required to be included in proposals:

- Cover crops
- Tillage practices
- Filter strips
- Drainage water management practices

However, proposals that include landowner letters of support and/or specific locations will be favored over proposals that do not provide this information. In addition, location, cost, and load reduction information will be required for all practices installed as part of an NPS funded project.

#### *Outreach and Education*

Whether as a stand-alone effort or as part of a larger restoration or protection project, outreach and education efforts should focus on the targeted audiences, critical areas, and priority pollutants identified in the approved watershed management plan.

Typically, before and after surveys utilizing the Social Indicator Data Management and Analysis (SIDMA) tool are used to measure the impact of the outreach campaign through changes in awareness, attitudes, constraints, and behavior. Results of the "pre" survey should be used to refine the proposed outreach message and methods. Additional information can be found in [Appendix I](#).

- Grant funds for outreach and education efforts are limited to \$150,000. Match contributions are not limited.

- Site locations for BMPs installed as a training effort do not need to be specified in the proposal. Selected sites must be appropriate for the BMP being demonstrated and the BMP must follow NPS design standards. Sites must be reviewed and approved by EGLE prior to installation and a BMP form is required upon completion.

### **Monitoring, Evaluation, and Quality Assurance Project Plans (QAPP)**

All projects must include an evaluation component to determine the success of the project activities in relation to the stated project goals. Projects that collect physical, chemical, biological, or social information for evaluation or project guidance will be required to submit a QAPP for approval by EGLE. A QAPP is not needed for the proposal phase.

Projects that propose water quality monitoring to determine the status of designated uses will be required to meet or exceed the state's sampling protocols, so the state can decide on designated use support using project data. This requirement does not apply to other water quality monitoring that might be proposed as part of the project, such as pollutant source identification monitoring.

[Guidance for environmental monitoring](#) and associated QAPPs is available on the NPS Program Web site. Applicants proposing to perform environmental measurements (water quality, macroinvertebrate populations, stream morphology, etc.) must complete an environmental monitoring table (see [Instructions](#)), and include it in Section F of the Project Description. Applicants are encouraged to contact Dr. Alyssa Riley, NPS Unit, SWAS, WRD, at [RileyA3@Michigan.gov](mailto:RileyA3@Michigan.gov) or 517-512-9623 prior to submitting a proposal including environmental monitoring.

Applicants proposing to measure social change (i.e., a social survey) must complete a social monitoring table (see [Instructions](#)) and include it in Section F of the Project Description. Applicants are encouraged to contact Robert Sweet, NPS Unit, SWAS, WRD, at [SweetR@Michigan.gov](mailto:SweetR@Michigan.gov) or 517-512-9765 prior to submitting a proposal including social monitoring. Additional information on social monitoring is in [Appendix I](#) and [guidance for social monitoring and evaluation](#) and social monitoring QAPPs is available on the NPS Program Web site.

### **Project Outcomes**

**Restoration projects** should be designed to meet one or more of the following outcomes:

1. Result in measurable improvements that meet the USEPA strategic targets, Sub-objective 2.1.
  - i. Fully restore impaired water bodies that are not attaining designated uses due to NPS causes.
  - ii. Remove at least one specific cause of water body impairment from impaired water bodies that are not attaining designated uses due to NPS causes.
  - iii. Improve water quality in 12-digit hydrologic unit code (HUC) subwatersheds in Michigan. Improved conditions mean that one or more of the designated use impairment causes are removed for at least 40 percent of the impaired water bodies within the subwatershed.
2. Result in measurable improvements in water quality in water bodies that are not meeting designated uses due to NPS causes.

3. Achieve or make substantial progress toward achieving the NPS load reduction targets of an approved TMDL or an approved watershed management plan in areas where a TMDL has not been developed.

**Protection projects** should be designed to meet one or more of the following outcomes:

1. Result in measurable water quality improvement at NPS impacted sites in high quality watersheds.
2. Achieve or make substantial progress toward achieving the land use protection targets of an approved watershed management plan. This can include perfecting permanent conservation easements or enacting changes to local ordinances or zoning,

**Outreach and Education projects** should be designed to meet the following outcome:

1. Result in measurable change in one or more social indicators (e.g., awareness, behavior, knowledge) for targeted audiences in critical areas and focused on priority pollutants from the approved watershed management plan.

### **Areas of NPS Program Emphasis**

#### **Phosphorus Load Reductions from the Western Lake Erie Basin**

The NPS Program is encouraging projects that make substantial progress toward achieving the [Annex 4](#) goal of reducing both soluble and reactive phosphorus (SRP) and total phosphorus entering the western and central basins of Lake Erie by 40 percent. “Substantial progress” is defined as an anticipated 40 percent or higher reduction in phosphorus on a per site basis as predicted by modeling (for example, the USEPA Spreadsheet Tool for Estimating Pollutant Load or the Region 5 Spreadsheet), design performance, or other method.

#### **LID and Green Infrastructure**

The NPS Program is encouraging projects that utilize LID and Green Infrastructure to address water quality and quantity issues including in areas serviced by combined sewers. High priority projects will have the following attributes:

- Projects will be in watersheds with impacts caused by unstable hydrologic conditions.
- LID or Green Infrastructure will be identified as a high priority activity to address restoration or protection goals in the associated approved watershed management plan.
- LID or Green Infrastructure activities will be focused on critical areas identified in approved watershed management plans.
- A priority will be placed on projects that use the two-year 24-hour storm as the basis for design. A lesser basis of design will not be eligible for funding in an MS4 area and will not be a priority outside of MS4 areas (including Combined Sewer Overflow areas).
- Projects designed on a site basis shall reduce runoff from the site to the pre-settlement or undeveloped volume. (Scenario 1)
- Projects designed on a catchment\* or defined area basis shall reduce runoff from the catchment or defined area to the pre-settlement or undeveloped volume or make substantial progress towards meeting this goal. (Scenario 2)

Scenario 1 - The project site is in a watershed with flashy flows and the project goal is to reduce the site's storm water impact. The applicant would calculate the pre-settlement and post-development runoff volume for the two-year 24-hour precipitation event for the site and design BMP(s) to, at a minimum, treat the difference in the volumes.

Scenario 2 - The project area is a catchment in a watershed with flashy flows and the project goal is to capture a specific volume of storm water from the two- year 24-hour precipitation event across the catchment to restore the pre-settlement hydrology. The applicant calculates the pre-settlement and post-development runoff volume for the two- year 24-hour precipitation event for the drainage area associated with each individual BMP. Each BMP shall capture at least the water quantity volume (the post-development - pre-settlement difference) for its associated drainage area. Any volume of stormwater captured and treated, up to the total runoff volume from the post-development two- year 24-hour precipitation event for each BMP's drainage area, counts toward the volume required to restore the catchment's pre-settlement hydrology. BMPs that capture and treat storm water volumes associated with the two- year 24-hour precipitation event and are above the difference in the pre-settlement and post-development two- year 24-hour runoff volume can be used as credit to offset untreated areas of the catchment. The sum of the water volume captured by the BMPs shall address the water quantity volume identified for the project.

\*Note – “catchment” refers to sub-HUC12 areas as delineated in the National Hydrography Dataset Plus (NHDPlus). Catchments can be viewed at <https://ejscreen.epa.gov/mapper/>, zoom to your project area and click “Add Maps” in the top ribbon then select “Additional Layers” and then “Water Features” from the drop downs, finally place a check mark in the box next to “Catchments (ATTAINS)”.

### **Agricultural Practices**

Targeted and comprehensive approach to farm conservation planning: To be considered a priority for funding, agricultural BMPs must be implemented in a comprehensive manner and targeted to critical areas of the watershed.

- A. Cropland Management Strategies: Higher priority will be given to proposals that meet the following criteria:

Proposals to address sediment and nutrients from cropland (where there is no manure application) by implementing (at a minimum) all of the following Natural Resources Conservation Service (NRCS) practices on fields proposed for grant funding or for use as match:

1. Nutrient Management (590)
2. Residue and Tillage Management, no-till/reduced till (329 & 345)
3. Cover Crops (340)
4. Filter Strips (393) (if necessary, based on site specific field characteristics)
5. Grassed Waterway (412) or WASCOW (water and sediment control basin) (638) (if necessary, based on site specific field characteristics)

If the landowner is already implementing some of the practices, then funding for the remaining practices is a priority.

Grant funds are only available for implementation of new practices and can include additional practices needed to restore and/or protect water quality. Any additional practices will be funded on a case-by-case basis after considering the causes and

sources described in the watershed management plan; the high priority recommendations from the watershed management plan; and the anticipated outcomes described in the grant application.

Locations for nutrient management, residue and tillage management, no-till/reduced till, and cover crop BMPs do not have to be included in the proposals. However, all proposals must state that critical areas will be targeted, and priority proposals must state that a systems-approach will be used. Also, BMP locations must be reported prior to grant close-out.

- B. Livestock Management Strategies: Higher priority will be given to proposals that address sediment, nutrients, and bacteria from manure application or livestock operations by implementing the following practices (at a minimum) on all livestock farms receiving cost-share:
1. Comprehensive nutrient management plan (includes no manure application on frozen or snow-covered fields).
  2. Controlled/restricted livestock access to surface waters.
  3. Residue and tillage management, no-till/reduced till
    - For summer or fall manure applications, if tillage is needed for manure incorporation, a cover crop will be planted, and no tillage will occur the following spring.
    - For spring applications of manure, if tillage is needed for manure incorporation, then no tillage shall occur the previous summer/fall and a cover crop will be planted during the previous summer/fall.
  4. Filter Strips (if necessary, based on site specific field characteristics)
  5. Grassed Waterway (412) or WASCOB (638) (if necessary, based on site specific field characteristics)

Proposals must include a list of the livestock operations that will be contacted. BMP locations must be reported prior to grant close-out.

BMPs at permitted livestock facilities are only eligible where it can be demonstrated they are above and beyond permit requirements.

- C. Drainage Water Management Strategies: A priority will be placed on proposals that promote drainage water management strategies in watersheds with appropriate soils and slopes, as well as nutrient impairments or flow-related impairments caused, in part, by tile line inputs. Managing agricultural drainage water in Michigan can provide benefits such as conserving subsoil moisture, increasing productivity on tile drained fields, and reducing nutrient loading to surface waters. Drainage water management can reduce loadings of nitrates and soluble reactive phosphorus to surface waters and works most effectively on flat or very gently sloped fields with slopes of 0.5 percent or less. Proposals for drainage water management should follow NRCS Standard 554 or equivalent. In addition, the highest priority proposals will implement drainage water management practices in combination with nutrient management (NRCS standard 590) and cover crops (NRCS standard 340).
- D. Advanced Nutrient Management: A priority will be placed on proposals that promote advanced nutrient management practices. Advanced nutrient management practices can include grid/zone soil testing, variable rate fertilizer or manure applications, avoiding surface applications of phosphorus (P) fertilizer applications

by using practices such as 2" x 2" P placement. Another advanced nutrient management practice could be using P application thresholds lower than the Tri-State Fertilizer Recommendations. For example, the Tri-State Fertilizer Recommendations call for applying P crop removal rates for corn and soybeans, when P soil test levels are between 20-40 ppm (Mehlich 3). Instead, P application could be limited to only applying P at crop removal rates for corn and soybeans when P soil test levels fall below 10 ppm (Mehlich 3). Pop up P fertilizer applications in furrow with the seed, could be allowed regardless of soil P levels.

- E. No-till: A priority will be placed on proposals that promote the long-term use of no-till. Long-term use is five consecutive years of using no-till. NPS grant funds can be used to cost-share up to three years of no-tilling, with the farmer agreeing to no-till on the two years where NPS cost share funds are not available. NPS cost share funds can be used on any combination of consecutive three-year periods, within the five-year period.
- F. Cover Crops: A priority will be placed on proposals that promote the long-term use of multi-species cover crops. The multi-species mix must include at least one species that will not winter kill. Long-term use is five consecutive years of using multi-species cover crops. Nonpoint Source grant funds can be used to cost share up to three years of multi-species cover crops, with the farmer agreeing to use multi-species cover crops on the two years where Nonpoint Source cost share funds are not available. Nonpoint Source cost share funds can be used on any combination of consecutive three-year periods, within the five-year period.

## **Funding Priorities** (In ranked order)

### **Tier 1**

Projects for any eligible water body that meet one or more of the following outcomes or NPS Program emphasis:

- Restoration of impaired water bodies (Restoration Projects 1.i.).
- Removal of at least one specific cause of impairment from an impaired water body (Restoration Projects 1.ii.).
- Measurable water quality improvements in impaired water bodies or watersheds (Restoration Projects 1.iii. or 2.).
- Measurable water quality improvement at NPS-impacted sites in high quality watersheds (Protection Projects 1.).
- Achieve or make substantial progress toward achieving the land use protection goals of an approved watershed management plan through permanent easements or changes to local ordinances/zoning (Protection Projects 2.).
- Phosphorus load reductions from the Western Lake Erie Basin, LID, Green Infrastructure, and agricultural projects consistent with the areas of program emphasis above.

### **Tier 2**

Projects for any eligible water body that:

- Achieve or make substantial progress toward the NPS load reduction target of an approved TMDL or watershed management plan (Restoration Projects 3.).
- Successful outreach and education campaign indicated by measurable change in social indicators (Outreach and Education Projects 1.).

### **Tier 3**



Other NPS projects that are consistent with the eligibility criteria and the NPS Program Plan.

Proposals meeting the criteria for Tier 1 will be considered for funding first. Tier 2 projects may be selected over Tier 1 projects based on the projected project outcomes. Tier 3 proposals will be considered last.

Site selection should follow the prioritized list or prioritization strategies in the watershed management plan and implementation should proceed in a logical manner. Projects that include specific sites with landowner letters of support will rank higher than similar proposals that do not demonstrate landowner support.

#### **Evaluation Criteria** (in priority order)

- The anticipation that the project will result in a water body meeting one or more of its designated uses.
- The anticipated improvement or protection of water quality.
- The consistency of the project with the priorities identified in the watershed management plan being implemented.
- Site specificity – proposals with site-specific information will rank higher than proposals implementing practices over a defined area (proposals without specific sites identified).
- Demonstration that there is an identifiable source of funds for the future operation and maintenance of the proposed project.
- The anticipated water quality benefits of the project in relation to the cost (although a thorough cost/benefit analysis is not required).
- Whether the project provides water quality benefits to sources of drinking water.
- The ability of the applicant and the partners and contractors to carry out the project as demonstrated by previous NPS grants or submitted information.
- Financial and technical assistance from the partners in the project, as documented by letters of commitment.
- Financial and other resource contributions in excess of the required minimum match. *Note: The percent match listed in the proposal will be used in the project contract if the proposal is selected for funding.*
- Expectations for long-term water quality improvement or protection.
- The balanced distribution of projects throughout the state as part of project selection.

#### **Process, Schedule, and Deadlines**

NOI: The NPS Program is requiring all applicants interested in funding through this RFP to electronically submit a [NOI form](#) for each proposed project. Following the [NOI Instructions](#), submit all NOI forms in Microsoft Word® or searchable PDF format to

[EGLE-NPSGrants@Michigan.gov](mailto:EGLE-NPSGrants@Michigan.gov) before **5:00 p.m., August 11, 2021**. This address should be used **only** to submit NOI forms. All questions and comments should be sent directly to

[NPS Staff](#). EGLE will reply to all NOI forms submitted to the listed address. If you do not receive a reply within two hours during regular business hours, please contact Robert Sweet, NPS Unit, SWAS, WRD at [SweetR@Michigan.gov](mailto:SweetR@Michigan.gov) or 517-512-9765; or Rob Selesky, NPS Unit, SWAS, WRD at [SeleskyR1@Michigan.gov](mailto:SeleskyR1@Michigan.gov) or 517- 331-7690 for assistance. Information supplied on the NOI form will be used to judge eligibility, and all eligible entities will be invited to submit a full proposal. **Full**

**proposals will only be accepted from invited entities.** All applicants will be notified by EGLE via email on or before **August 25, 2021**, regarding their eligibility and, if eligible, extended an invitation to submit a full proposal.

The request for a full proposal will identify an NPS Program technical contact person; applicants are strongly encouraged to contact the identified NPS staff to discuss their project ideas and the program priorities.

Full Proposals: Each project should be applied for separately, with a complete proposal package consisting of **three (3)** hard copies and one electronic copy of all required components. Please read this information package carefully. Extraneous information will not be accepted or included in the grant proposal review process. Staple or clip the pages of the proposal. **Do Not bind the proposal or use a cover letter or cover sheet other than the NPS Program [Application Cover Sheet](#).** If color graphics such as maps or photos are important for evaluating your proposal, your proposal package should include three color copies and an electronic copy of each.

The required electronic copy of your proposal must include **all** aspects of your proposal in a single email less than 25 MB in size sent to [NPSGrants@Michigan.gov](mailto:NPSGrants@Michigan.gov) or on a flash drive included with the 3 hard copies. The project description, work plan, timeline, budget, and all necessary forms must be submitted using Microsoft Office compatible formats. The cover sheet (signed), maps, graphics, and photographs can be submitted as PDF or similar files. Note: the official project submission is based on the hard copy, not the emailed proposal.

Instructions for the grant proposal should be downloaded and followed. Proposal evaluation will be based on the information received by the due date. Full applications from invited entities must be received **by 4:00 p.m., November 5, 2021**, or carrier dated (i.e., the United States Postal Service (USPS), the United Parcel Service (UPS), and Federal Express (FedEx) no later than **November 5, 2021**. Late materials will not be accepted or reviewed.

All required forms for this grant proposal are available from the NPS home page ([Michigan.gov/NPS](http://Michigan.gov/NPS) under "Grant Applicant Information"). Forms should be downloaded and saved to your computer, completed, and then submitted with the other components of the grant proposal. **Do not use forms from previous years or from other programs.**

### **Project Clarification/Revisions**

EGLE may request additional information for clarification purposes. EGLE can offer grants for amounts other than those requested and request changes to the proposed work plan.

### **Confidentiality**

Submitted proposal information is not confidential. Grant proposals are considered public information under the Freedom of Information Act, PA 442 of 1976, as amended.

### **Acceptance of Contract Content**

Successful applicants will be required to enter into a project contract with EGLE. A project contract consists of standard "boilerplate" language ([Appendix E](#)), the applicant's project description, work plan, time line, and budget information. Failure of a successful applicant to accept these obligations will result in cancellation of the grant award.

**Please note:**

1. Dates from mail metering machines will not be accepted as a qualifying date. Metered mail must be delivered, or USPS postmarked by the deadline (metered mail is not usually postmarked – you must specifically request this service).
2. The tracking code and electronic tracking systems will be relied on to determine carrier dates for proposals sent via the United Parcel Service and Federal Express.
3. Packages weighing one pound or more cannot be mailed from drop boxes under United States Postal regulations. Packages weighing one pound or more left in a drop box will be returned to the sender undelivered.
4. Faxed full proposals will not be accepted.
5. Late proposals will not be considered for funding.

**Submittal Addresses:****Postal Address** for the USPS:

Attention: Robert Sweet  
Department of Environment, Great  
Lakes, and Energy  
WRD,NPS Program  
P.O. Box 30458  
Lansing, Michigan 48909-7958

**Physical Address** for UPS, FedEx, etc.:

Attention: Robert Sweet  
Department of Environment, Great  
Lakes, and Energy  
WRD, NPS Program  
Constitution Hall  
525 West Allegan Street  
Lansing, Michigan 48933

**Contacts:**

For questions about this RFP and its contents, contact Robert Sweet, NPS Unit, SWAS, WRD, at [SweetR@Michigan.gov](mailto:SweetR@Michigan.gov) or 517-512-9765.

For questions about specific project ideas contact the appropriate [NPS Staff](#). Please note: NPS staff will respond to questions received through October 29, 2021, but may not have time to answer questions received after this date.

**Other Funding Sources:**

The following links to additional funding sources are provided here for informational purposes only.

- [EGLE - Grants and Loan Information](#)
- [MDNR - Grants and Loan Information](#)
- [Federal Funding Sources for Watershed Protection](#)

Two programs that are underutilized in Michigan to fund nonpoint source related projects are the [State Revolving Fund](#) (SRF) and the [Mitigation Grant Programs](#). SRF can fund green infrastructure projects through the [Green Project Reserve](#). Mitigation grants fund implementation of long-term measures that reduce or eliminate risk to people and property. The Flood Mitigation Assistance (FMA) Program in particular may be of interest to NPS stakeholders. Participation in the FMA Program requires a Federal Emergency Management Agency (FEMA) approved [State](#) or local mitigation plan.

For information or assistance on this publication, please contact the Water Resources Division through EGLE Environmental Assistance Center at 800-662-9278. This publication is available in alternative formats upon request.

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